

by Bill Tressler

with thanks to Bern McCauley and the Great Valley Quiz Team

Tossups

1. **This character is told not to say “ex-actually” by a person who lost a shawl and is age one hundred and one, five months, and a day. A female tells this character it takes all the running you can do to keep in the same place. This character reads “All mimsy were the borogoves” in a poem mentioning jubjub birds and a bandersnatch. (*) Un-birthday presents are explained to her by Humpty Dumpty. A White Knight, Tweedledum, Tweedledee, and the Red Queen all meet—for 10 points—what protagonist of *Through the Looking-glass*?**

answer: **Alice** (do not accept “Alice in Wonderland”, the clues are from *Through the Looking Glass*)

2. **This process partially names the DAF technology used by municipal utilities. The pharmacological intrinsic rates of this are calculated keeping the agitation rate constant, and the Noyes-Whitney equation shows this is faster when surface area is increased. Detergents have a hydrocarbon end capable of doing this to (*) fats and grease, and a polarity aphorism states like materials do this to like substances. Aqua regia can do this to gold. For 10 points—give this process that occurs when you drop Kool-Aid or instant coffee into water.**

answer: **dissolving** a substance or **dissolution** (accept word forms)
[DAF is dissolved air floatation and purifies water supplies]

3. **One of these characters named Danhasch stages a beauty contest. Another is struck in the chest by a lethal stone, but his revenge-seeking father is appeased by three stories. The king of these people gives Zayn Al-Asnam a mirror that detects infidelity. An African sorcerer steals one of them, but is defeated by a (*) ring-bearing youth who had used their abilities to gain marriage to the sultan's daughter. Another tale states King Solomon imprisoned one in a small container. For 10 points—give these magical beings who, in *The Thousand and One Nights*, help Aladdin.**

answer: **genies** or **jinn** or **djinn**

4. **This composer includes a “looked upon the humility” section in a 1733 *Magnificat*. A continuo and flute present a joyful cantata that sings “Ah! How sweet the coffee's taste is” in a cantata of his. His children Carl Philipp Emanuel and Johann Christian were also composers. His employer Prince Leopold performed in his orchestra, and the (*) Margrave Christian Ludwig received six Baroque pieces some call his masterpiece. For 10 points—who is this composer of the *Goldberg Variations* and the *Brandenburg Concertos*?**

answer: J(ohann) S(ebastian) **Bach**

5. **Place and event required. Several hours before this event Enrico Caruso performed at the Mission Opera House. Those who died during it included performer Artie Hall and fire chief Dennis Sullivan. Contrary to plans of Eugene Schmitz's city hall, the businessman Look Tin Eli fought to rebuild (*) Chinatown after this event. Causing a shift in the Salinas River course, its 42-second main shock occurred on the San Andreas Fault. For 10 points—give this 1906 event around Richter 7.9 that devastated an area later spanned by the Golden Gate Bridge.**

answer: 1906 **San Francisco earthquake**

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6. **This god fathered Celaeno and Taygete, who were born on Mount Kyllini. A Naples museum sculpture known as the Farnese depiction of him includes constellations. Plato says this names the son of Cleto who was the first king of a lost island. In another story he is rude to Perseus and turned to stone by Medusa's head, the origin of northwestern (*) African mountains. This brother of Menoetius lost in the Titanomachy and was forced to hold the sky on his shoulders. For 10 points—give this deity, a term also used for a collection of maps.**

answer: Atlas

7. **This book's characters include the tent-living Dark Gary, world history teacher Mister Avenovich, and a pair of Japanese hikikomori [hee-kee-koh-MOH-ree] brothers. Its protagonist likes the TV show *Family Ties*, and writes snagging food vouchers and vertical trailer navigation into an Atari 2600 game. Oingo Boingo music introduces a (*) video will in this book that sees Wade Watts and other gunters search for an Easter Egg within James Halliday's virtual OASIS world. Ernest Cline wrote—for 10 points—what book titled for a first gamer start notification?**

answer: Ready Player One

8. **The Roman army captured Lugotorix in this land while subduing the Cantiaci [can-TEE-AH-kee], and its Votadini allied with Romans. The ninth legion and the city Camulodunum [CAH-mu-low-DOO-num] were destroyed when Iceni [eye-SUH-nye] here were led by Boudicca [BOO-duh-cah]. The Aquae Sulis spa on this landmass is now known as (*) Bath. Antoninus Pius extended a northern border here to defend against the Picts, in addition to Hadrian's wall. Fifth-century Saxon raids hastened the end of Roman rule of—for 10 points—what island north of France?**

answer: Great Britain or Britannia or Britanniae or Roman Britain (prompt on "England" until "island") [Aquae Sulis is now known as Bath]

9. **A diagnostic iteration of this task in 1985 uncovered hardware problems in Cray-2 supercomputers. This undertaking can be done with the Wallis product, the Rabinovitz and Wagon Spigot, and the Gauss [rhymes with "house"] -Legendre algorithm. Many first-millennium scholars attempted to solve this problem by finding the square root of (*) ten. It took Peter Trueb three months to set a record for this calculation at 22.5 trillion numerals. For 10 points—give this task of enhancing our knowledge of a ratio of circumferences to circles' diameters.**

answer: calculating pi or finding pi's digits (prompt on "pi", accept any answer that says pi and includes a description of finding its value as precisely as possible)

10. **This artist used metallic paint and his friends' uric acid to create his *Oxidation* series. One corner of his office inspired a multi-colored *Shadows* series, the same place this *Interview* magazine founder was shot by Valerie Solanas. He put mugshots on the *Thirteen Most Wanted Men* mural banned by the 1964 World's Fair in nearby New York. His (*) Factory produced silkscreen prints, such as his Michael Jackson and Prince portraits. For 10 points—name this pop artist who drew Coca-Cola bottles and Campbell's soup cans.**

answer: Andy Warhol or Andrew Warhola

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11. In 1982 Norman Mayer held eight hostages in this site to protest weapons. Zachary Taylor died days after attending a fundraising event for this structure designed by Robert Mills. Pope Pius IX's ["the ninths"] donation to it was stolen by Know Nothings and dumped into the nearby Potomac. It closed for 32 months after the 2011 Virginia (*) earthquake and is currently closed to modernize the elevators that ascend to the pyramidion at 555 feet. For 10 points—give this white marble obelisk which honors the first president.

answer: Washington Monument

12. This band sings “Pitiful destiny, point your finger at me” in a song pleading “let me breathe”. They had to cancel New York fan interactions when a member’s dark skin joke elicited death threats. This group won three of the 2016 Gaon Chart Awards. In 2018 this band sang “I grew a flower that can’t be bloomed / in a dream that can’t come true” in a song about a (*) romance they are “so sick of”. Suga, RM, and J-Hope are members of—for 10 points—what K-pop band whose album *Love Yourself: Tear* includes the single “Fake Love”?

answer: BTS or Bangtan Boys or Bangtan Sonyeondan

13. Judge Whedbee claimed to have drunk from this man’s skull after using the password “Death to Spotswood”. In 1716 he captured *La Concorde* near Saint Vincent, and was later given a sloop by Benjamin Hornigold. Robert Maynard defeated this superior of Israel Hands in an Ocracoke Island battle. This commander of the *Adventure* and (*) *Queen Anne’s Revenge* had bounties on his head for a Charleston, South Carolina blockade and other crimes. For 10 points—name this pirate known for his dark facial hair.

answer: Blackbeard or Edward Teach or Edward Thatch

14. Ancient Mesopotamians said this astronomical object was formed from Tiamat's tail. The plane of this object creates a Zone of Avoidance lacking visible objects. During the Shapley-Curtis Debate, the former argued this object with a 200 thousand light year-diameter was the entirety of the universe. The Sculptor Dwarf and (*) Large Magellanic Cloud are satellites of this object with Norma, Orion, and Cygnus arms in a spiral pattern. For 10 points—give this galaxy containing our Solar System, named for its resemblance to a white beverage.

answer: Milky Way galaxy

15. A medieval kingdom of this name was subsumed by the Mutapa, and the Matabele Wars occurred in what is now this country. It withdrew from the Commonwealth of Nations in part over its confiscation of farms owned by whites. In 2009, this country formerly called Southern Rhodesia issued \$100 (*) trillion dollar notes. Morgan Tsvangirai [s'VAN-ger-eye] was a key opposition figure to Robert Mugabe’s government here. Harare [huh-RAR-ay] is the capital of—for 10 points—what country across the Zambezi River from Zambia?

answer: Republic of Zimbabwe

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16. In the 1790s William Murdoch extracted gas from distillation of this solid. The original source of phenol, attritioning and moisture removal are Coldry process steps to create a denser form of it. Torbanite is a precursor of this substance Carl Hilt said increases in quality at greater depths. The world's largest supply of this substance is (*) Wyoming's North Antelope Rochelle site, and in total it generates forty percent of world electricity. Anthracite and bituminous are forms of—for 10 points—what black rock burnt for fuel?

answer: coal (accept coal tar; accept brown coal after "attritioning")

17. Nancy Berryhill is the current Deputy Commissioner administering this service. Steve Johnson's 2014 federal law banned participation by former Nazis, and it was the subject of Alan Grayson's Scrap the Cap Act. After the 2004 election, George W. Bush wanted to add private savings accounts to it. In 2016 about (*) \$911 billion was distributed, but under current trends by 2034 its trust will be unable to cover full benefits. For 10 points—give this retiree program that issues identification numbers with nine digits.

answer: Social Security or OASDI or Old-Age, Survivors, and Disability Insurance
[Johnson's law is the No Social Security for Nazis Act]

18. The title description is acceptable. This literary character holds a horse trying to get a captain to visit a woman the officer calls Similar. A spectator accuses him of casting spells down a chimney and he pleads for drink during a public humiliation ordered by Florian Barbedienne. This character's legs are like sickles joined at the handles, and his (*) eardrums were broken during his job. He is treated poorly by Claude Frollo, and carries the gypsy Esmeralda to a safe worship area. Victor Hugo created—for 10 points—what deformed man who rings the bells of a Paris cathedral?

answer: Quasimodo or The Hunchback of Notre Dame

19. Francois Jacob and Jacques Monod discovered the operon allowing the metabolism of this compound with chemical formula $C_{12}H_{22}O_{11}$. The prebiotic tagatose is produced from concentrated whey, which undergoes hydrolysis to separate this sugar from whey into glucose and (*) galactose. The hydrogen breath test can diagnose an inability to digest this sugar, an intolerance that affects a grand majority of Asians. For 10 points—name this milk sugar taken out of products sold by Lactaid.

answer: lactose

20. This person and Lord Irwin signed a pact before the Second Round Table Conference. After serving as legal counsel for the South African trader Dada Abdulla, he and his wife Kasturba Kapadia established the Phoenix Settlement there. Assassinated in 1948 at the Birla House by (*) Nathuram Godse, this leader marched 241 miles to protest a salt tax. This National Congress Party member fasted five days in penance for the Chauri Chaura violence against police. Mahātmā was an honorific applied to—for 10 points—what Indian independence leader?

answer: Mohandas Karamchand Gandhi or Mahātmā Gandhi

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21. **At Tommy Wellburn's wedding, this character is surprised the formerly high-class Renny Picard enjoys driving a pie wagon. The first paragraph says she is not beautiful and has delicate features of her coastal mother and heavy ones of an Irish father. Her sister Careen joins a convent and she steals Frank Kennedy's affection away from Suellen. This resident of (*) Tara plantation is told "My dear, I don't give a damn" as Rhett Butler leaves her. For 10 points—name this protagonist of *Gone With the Wind*, a member of the O'Hara family.**

answer: **Scarlett** O'Hara

22. **Malcolm Gladwell called this a powerful, fallible force in *Blink*, and discussed Daniel Wagner's "adaptive" form of this concept that affects decision making. Primordial images and projection onto external objects were components in Carl Jung's "collective" form of this concept. Freudian slip speech errors betray a wish from this (*) part of the psyche. Some assign varying levels of this to delirium, trances, and sleepwalking. For 10 points—give the term for these parts of the mind that cannot be accessed by aware thought.**

answer: **unconscious** mind (accept word forms including **collective unconsciousness**)
[Gladwell's full title is *Blink: The Power of Thinking Without Thinking*]

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Bonuses

1. For 10 points each—give these historical musical characters:

A. Aaron Burr and King George III ["the third"] appear as characters in the Lin-Manuel Miranda musical about this man. He was the first Treasury secretary and appears on the \$10 bill.

answer: Alexander **Hamilton**

B. This owner of the *New York World* raises the price paper boys must pay in *Newsies*. This man also published the *St. Louis Dispatch* and endowed some journalism prizes.

answer: Joseph **Pulitzer** (accept the **Pulitzer Prize**)

C. In *Annie*, the adoption proceedings are overseen by this judge. A Waltham, Massachusetts university is named for this first Jew on the Supreme Court.

answer: Louis **Brandeis**

2. Due to adult themes in this writer's poetry, one critic said "he had every leaf but the fig leaf". For 10 points each—

A. Name this author of *Leaves of Grass*.

answer: Walt(er) **Whitman**

B. Whitman wrote a poem about crossing a ferry from Manhattan to this borough on western Long Island. This borough is connected to Staten Island via the Verrazzano-Narrows Bridge.

answer: (Crossing) **Brooklyn** (Ferry)

C. This plural word appears twice in a 1865 Whitman poem about westward expansion. Give that plural word also appearing in a Willa Cather title featuring Alexandra Bergson and westward homesteaders.

answer: **pioneers** [the titles are Whitman's "Pioneers! O Pioneers!" and Cather's *O Pioneers!*]

3. This figure appears in the first part of *Parallel Lives*, where Plutarch compares him to Theseus. For 10 points each—

A. Name this founder of an ancient city, the brother of Remus.

answer: **Romulus**

B. This father of Romulus and Remus visited Rhea Silvia in a sacred grove. The Equirria festival celebrated this Roman war god whose shield and spear now symbolize the male gender and a planet.

answer: **Mars** (do not accept "Ares")

C. Romulus chose the hundred men who served in the first Senate, and this term referred to the social class consisting of their descendants. The term is related to Latin for "father".

answer: **patricians** or **patriciate** (or **patricius** or **patricii**)

4. For 10 points each—give these hairstyles, none of which are the man bun:

A. The sides of the head are shaved in this style, leaving longer hair down the center. Though more often worn by other tribes, the term comes from some Iroquois.

answer: **Mohawk**

B. Though the namesake literary villain created by Sax Rohmer is controversially seen as stereotypical, a mustache growing down from the sides of the mouth is named for this Asian.

answer: Doctor **Fu Manchu**

C. Coming from a French verb meaning "to puff out", this is a hairstyle given extra height and width through back-combing. Film star Brigitte Bardot and Lady Bird Johnson were known for wearing these.

answer: **bouffant** [the verb is bouffer]

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5. This calculation is relevant to the number of possible arrangements of facing your opponents at a tournament. For 10 points each—

A. Give this mathematical concept that differs from combinations in that order matters.

answer: **permutations**

B. Permutations often use this operator that for N equals the product of the positive integers less than or equal to N. It's denoted with an exclamation point.

answer: **factorial**

C. The infinite sum of the reciprocals of the factorials, a sequence that starts one over one, plus one over one, plus one over two, plus one over six, et cetera, converges to what value?

answer: **e** or **Euler's** **OY-lers** number or constant or the **base** of the **natural logarithm** (do not accept the approximation "2.71")

6. For 10 points each—name these Chris Van Allsburg works:

A. In this work, Christmas's first gift is a reindeer bell and children in pajamas travel on a train to the North Pole.

answer: The **Polar Express**

B. Judy and Peter Shepard find the title game of this work in a park. Upon playing, the game brings an intense rain storm and lions into their house and ends when Judy rolls a volcano.

answer: **Jumanji**

C. In this Van Allsburg title, Walter and Danny endure a meteor shower, are chased by a malfunctioning robot, and hide when Zorgons enter their house while floating in space.

answer: **Zathura**

7. This Paris structure was a medieval palace. For 10 points each—

A. Name this French museum where one can see Eugène Delacroix's **DAY-la-KWAHS** *Women of Algiers* and Hieronymus Bosch's *Ship of Fools*.

answer: The **Louvre**

B. The Louvre displays this Johannes Vermeer painting. It is similar to *The Geographer* and this work shows the title man touching a globe, though one might expect to see this figure looking skyward.

answer: The **Astronomer**

C. One Louvre entrance is a glass pyramid by what Chinese-American architect who designed Hong Kong's Bank of China Tower?

answer: I(eoh) M(ing) **Pei**

8. Humans have 23 pairs of these genetic molecules. For 10 points each—

A. Give this term for structures consisting of chromatids joined at a centromere. The human sex examples of these are called X and Y.

answer: **chromosomes**

B. Chromosomes separate in this type of cell division resulting in two daughter cells. Its stages include prophase and telophase, and it is not seen in the gametes produced by meiosis.

answer: **mitosis**

C. Joshua Lederberg coined this term for DNA not part of chromosomes. They are often circular, and the R1 example in Salmonella imparts some antibiotic resistance to host bacteria.

answer: **plasmid** (accept **R1 plasmid**)

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9. Lately, every show ever is returning from the grave. For 10 points each—

A. We learned Dan didn't die when this ABC sitcom aired new episodes. It was replaced by *The Conners* after the title actress surnamed Barr was fired for controversial remarks about Valerie Jarrett.

answer: **Roseanne**

B. Either title acceptable. Netflix resurrected this Bob Saget and Candace Cameron show, making D.J. Tanner a widow raising three boys. The title of the original 80s show is also a poker hand containing three of a kind and a pair.

answer: **Full House** (or **Fuller House**)

C. When this show returned, we learned the Cigarette Smoking Man survived the 9th season rocket attack. It starred Gillian Anderson and David Duchovny as FBI agents investigating odd happenings.

answer: The **X-Files**

10. This term means "most new" and is colloquially called the Ice Age. For 10 points each—

A. Name this portion of the Quaternary Period which preceded the Holocene Epoch and ended 11 thousand years ago.

answer: **Pleistocene** Epoch

B. Pleistocene megafauna included the Columbian, Channel Island, and Woolly species of what large elephants?

answer: **mammoths** (accept **Columbian Mammoth** et cetera)

C. During the Pleistocene, Canada had an "arctic" species of these animals. Living species of these animals are the Bactrian and Dromedary.

answer: **camels**

11. A 17th century "triangular" form of this activity involved Africa, the Caribbean, and England's North American colonies. For 10 points each—

A. Give this activity currently regulated by, and in the name of an organization known by the acronym WTO.

answer: **trade** [WTO is the World Trade Organization]

B. This Italian city known as the "Queen of the Adriatic" became a Middle Ages trading center. This city of canals was ruled by doges including Domenico Contarini and Enrico Dandolo.

answer: **Venice**

C. This commercial league protected guild interests and dominated Baltic Sea trade between the 12th and 15th centuries. Its members included Hamburg and Lübeck.

answer: **Hanseatic** League

12. For 10 points each—name these people who invented musical instruments:

A. John Coltrane and Kenny G are known for skill on an instrument named for this Belgian. That brass woodwind is played with a single-reed mouthpiece.

answer: (Antoine-Joseph) Adolphe **Sax** (do not accept "saxophone")

B. "The Stars and Stripes Forever" and "Semper Fidelis" are marches by this man who aided J.W. Pepper in developing a tuba easier to play while standing.

answer: John Philip **Sousa** (do not accept "sousaphone")

C. This man recorded "Song in Blue" with Mary Ford, and played at the Iridium Jazz club into his nineties. "The Log" was a prototype by this Gibson Corporation partner who created electric guitars.

answer: Les **Paul** (or Lester William **Polsfuss**)

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13. Sergei Skripal's March 2018 poisoning was addressed by this leader in the House of Commons. For 10 points each—

A. Name this woman who became the British Prime Minister in 2016.

answer: Theresa **May**

B. May outlined two possibilities: either this country led by Vladimir Putin orchestrated the poisoning, or it lost control of the nerve agent it manufactured.

answer: **Russian** Federation or **Rossiyskaya** Federatsiya

C. The poisoning took place in this town whose cathedral was established by Richard Poore. This town is 8 miles southeast of the namesake plain where Stonehenge stands.

answer: **Salisbury** (accept **Salisbury Plain**)

14. The Hugoton Field between the Texas panhandle and Kansas contains an unusually high concentration of this gas. For 10 points each—

A. Give this gas with atomic number 2 that makes party balloons rise.

answer: **helium**

B. The nucleus of a helium atom is emitted during this form of radioactive decay that turns Thorium-228 into Radon-224. This decay is unable to penetrate even the thinnest metal foil, unlike beta decay.

answer: **alpha** decay

C. At 2,372 kilojoules per mole, helium has the highest value for this quantity needed to remove an initial electron from a neutral gaseous atom.

answer: (first) **ionization** energy

15. President John Adams pardoned John Fries for inciting a 1799 rebellion in this state against tax assessors. For 10 points each—

A. Name this Mid-Atlantic state whose early leaders included Thomas Mifflin, Benjamin Rush, and John Dickinson.

answer: **Pennsylvania**

B. George Washington pardoned John Mitchell and Philip Wigle for their participation in this 1791 Pennsylvania event which objected to a federal tax on an alcoholic product.

answer: **Whiskey** Rebellion (or Insurrection)

C. Safety, not taxes, was the reason these "boys" marched on Philadelphia in January 1764. Founded by John Elder, they murdered Native Americans in what is now called the Conestoga Massacre.

answer: **Paxton** Boys

16. This work begins with the narrator stating, "Call me Ishmael". For 10 points each—

A. Name this Herman Melville work about a chase for a white whale.

answer: **Moby-Dick**; or, The Whale

B. Nicknamed "Old Thunder", this captain of the *Pequod* is obsessed with finding the whale since he lost a leg to it.

answer: Captain **Ahab**

C. Melville also wrote this "Story of Wall Street" in which an office employee prefers not to do work. Eventually the title character starves in prison, lacking a desire to eat.

answer: **Bartleby, the Scrivener**: A Story of Wall Street

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17. For 10 points each—give these ships with regional names:

A. This ship built by a New York club and captained by Richard Brown won an 1851 yacht race. New Zealand's *Aotearoa* is the current holder of the cup bearing this name generically meaning the western hemisphere.

answer: **America** (accept **America's Cup**)

B. The speed of Bernard Fokke's ships may be the source of this vessel that titles a Edward Fitzball play. In legend it has a ghostly glow and is doomed to sail the sea forever.

answer: **Flying Dutchman** or De **Vliegende Hollander**

C. A German U-boat killed twelve hundred when in May 1915 it sank this ship, whose name refers to an ancient Roman province in modern Portugal.

answer: RMS **Lusitania**

18. For 10 points each—give these answers related to lenses:

A. Also used in magnifying glasses, nearsighted individuals get concave lenses to correct vision, while farsighted people will want these lenses thickest in the center.

answer: **convex** (accept **biconvex** or **equiconvex**)

B. This is the point where a lens brings parallel light rays together. The lenses' index of refraction can affect the location of this point.

answer: **focal point** or principal **focus**

C. Another way to focus light are these tiny apertures used in eclipse viewing boxes. Jozef Petzval calculated their optimal size to be the square root of two times focal length time light wavelength.

answer: **pinholes**

19. This church's principles are collected in the 28 Fundamental Beliefs. For 10 points each—

A. California's Loma Linda University is among the schools operated by what church whose founders included Joseph Bates and Ellen White?

answer: Seventh-day **Adventist** Church

B. Seventh-day Adventists observe the Sabbath beginning on Friday evening and ending at sunset on what day?

answer: **Saturday**

C. The creationist writings of Adventist George McCready Price were quoted by William Jennings Bryan during what July 1925 event in which a biology teacher was convicted of teaching evolution?

answer: Scopes **Monkey Trial** or State of Tennessee v. John Thomas **Scopes** (accept either underlined answer)

20. For 10 points each—give these answers related to Latin American currencies:

A. Costa Rica and El Salvador name their currency for this man who sailed across the Atlantic Ocean in 1492.

answer: Christopher **Columbus** or Cristóbal **Colón** [the currency is the colón]

B. This Venezuelan currency honors a person who helped Venezuela gain its independence. That man is known as "The Liberator".

answer: **bolívar** (accept **bolívar fuerte**) [after Simón Bolívar]

C. Panama uses both the U.S. Dollar and a currency named for this conquistador who crossed the isthmus in 1513 and saw the Pacific Ocean.

answer: Vasco Núñez de **Balboa**

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21. For 10 points each—give these answers related to groundhogs:

A. Groundhogs belong to this Chordata **[core-DAH-tah]** subphylum as they have a backbone. The term is derived from Latin for "jointed".

answer: **vertebrates** or **vertebrata** (do not accept "vertebra", the segments of the backbone)

B. As rodents, groundhogs possess these long front teeth. Groundhogs gnaw on things to keep these teeth properly sized, because they continually grow and can impale the jaw.

answer: **incisors**

C. Because they carry a similar virus, groundhogs are useful in the study in this disease. Baruch Blumberg discovered the "Australia Antigen" related to this condition that causes yellow skin and cirrhosis, or possibly no symptoms at all.

answer: **hepatitis B**

22. For 10 points—translate these Spanish titles:

A. *La Casa en Mango Street*, Sandra Cisneros's tale of growing up in Chicago.

answer: The **House on Mango Street**

A. *Como agua **[AH-gwa]** para chocolate **[SHA-coh-LAWT]***, Laura Esquivel's work about Tita, whose strong feelings for Pedro infuse her cooking.

answer: **Like Water for Chocolate**

B. *Cien años de soledad **[see-en AN-os duh SOL-ee-DAWD]***, a Gabriel García Márquez novel about the Colombia town of Macondo.

answer: One **Hundred Years of Solitude** (Babelfish says cien años can translate as "A Hundred Years" so accept **A Hundred Years of Solitude**)